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(54) Title: ABSORBENT HYDROGELS

(57) Abstract: The invention provides absorbent hydrogel compositions and hydrogel-containing structures. Typically, a first portion of the novel materials comprises a porous flexible plasticised hydrophilic polymer matrix having an internal cellular structure, and a second portion is relatively non-porous, *e.g.* comprises a flexible plasticised hydrophilic polymer matrix having relatively continuous internal structure. Methods for the manufacture of such hydrogels and structures are provided, as well as uses thereof.

WO 03/077964 A1